IDR RID Report

Date Last Modified 12/7/95
Originator Art Gaylord
Organization UMASS
E Mail Address art@cs.umass.edu
Document Universal References

Phone No 413-545-2520

RID ID IDR 7
Review IDR
Originator Ref
Priority 1

Section **Page** **Figure** **Table**

Category Name Cross Subsystem Interfaces
Actionee ECS
Sub Category Infrastructure
Subject UR requirements and design

Description of Problem or Suggestion:

There are no explicit requirements for UR functionality and properties. Document 305-CD-020-001 Section 6-1.3 is the primary reference and it implies requirements which cannot be met by the design described later in that section. Furthermore, it is not clear that the system can or should be designed to handle the example presented (that is a UR which accesses a granule produced years earlier). It is critical that a precise definition of UR characteristics, usage expectations, and lifetime management be determined ASAP. Timeliness is important because other systems depend upon URs to function.

Originator's Recommendation

1)Complete high-level design in cooperation with CSS

2) Estimate sizing and performance requirements.

3) Circulate proposed UR characteristics to user community for review prior to CDR.

GSFC Response by:
GSFC Response Date

HAIS Response by: David Turanski
HAIS Schedule 11/15/95
HAIS R. E. David Turanski
HAIS Response Date 12/4/95

ECS will form a cross-subsystem Design Issue Team (DIT) to address the expected usage and characteristics of URs. The DIT will include representatives from CSS, IOS, CLS, and DSS. The DIT will identify all use cases for URs in ECS, and estimate sizing and performance requirements. Once this analysis is complete, the subsystem detailed design can incorporate specializations of UR. The sizing and performance analysis along with the detailed design will be completed prior to the sub-panel ECS Infrastructure review, currently planned for early February,1996.

Status **Closed** **Date Closed** **12/7/95** **Sponsor** **Folts/Blake**

****** **Attachment if any** ******